

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A portable electronics input device for controlling electronic equipments, comprising:

a body having an interior portion containing electronics that are configured to perform wireless communication, said wireless communication being at least one of mobile telephone communication and television remote controller communication;

bioindex detecting means provided within a region including a holding position of a surface of the body, that a user holds while performing said wireless communication, and for detecting, for a time period during which the user grasps the body, bioindex of the user through a skin of the user; [[and]]

bioindex analyzing means for analyzing bioindex which has been detected by the bioindex detecting means, ~~wherein;~~ and

selector means for selecting at least one bioindex information from bioindex information which have been detected by the plural bioindex detecting means,

wherein the bioindex analyzing means serves to analyze bioindex information which has been selected by the selector means;

said surface of said body including a first sensor on a first side of said body and a second sensor on a second side of said body, said first sensor and said second sensor positioned to be in contact with a hand of the user when performing wireless communication,

wherein the input device is provided at an operation input unit of any one of electronic equipments including personal computer, television image receiver, video and/or audio signal recording and/or reproducing device and air conditioner to control said electronic equipments.

Claim 2 (Original): The input device according to claim 1, wherein the bioindex is at least one of sweating, heartbeat, pulse wave, Galvanic Skin Reflex, Galvanic Skin Response, MV (Micro Vibration), myoelectric potential and SPO2 (blood oxygen saturation level), and combination of these bioindices.

Claim 3 (Original): The input device according to claim 1, wherein the bioindex detecting means is detecting means for detecting Galvanic Skin Reflex or Galvanic Skin Response between predetermined two points of palm of one hand of user.

Claim 4 (Original): The input device according to claim 1, wherein the bioindex detecting means is pulse wave detecting means for detecting pulse wave of user.

Claim 5 (Original): The input device according to claim 1, wherein the bioindex detecting means is temperature detecting means for detecting body temperature of user.

Claim 6 (Original): The input device according to claim 5, wherein the temperature detecting means is composed of finger tip temperature detecting means for detecting finger tip temperature provided at a position with which finger tip comes into contact when the finger tip temperature detecting means is grasped by finger of the user, and palm temperature detecting means provided at a position with which palm of the user comes into contact and for detecting palm temperature.

Claim 7 (Canceled).

Claim 8 (Currently Amended): The input device according to claim [[7]] 1, wherein the selector means serves to compare signal-to-noise ratios of output values which have been detected by the plural bioindex detecting means to select an output value having value of higher signal-to-noise ratio.

Claim 9 (Currently Amended): The input device according to claim [[7]] 1, wherein the selector means serves to compare detection levels of output values which have been detected by the plural bioindex detecting means to select an output value having higher detection level.

Claim 10 (Currently Amended): The input device according to claim [[7]] 1, wherein the selector means serves to compare auto-correlation functions of output values which have been detected by the plural bioindex detecting means to select an output value in which correlation has been taken to more degree.

Claim 11 (Currently Amended): The input device according to claim [[7]] 1, wherein the selector means serves to select one output from outputs from the ~~plural~~ bioindex detecting means.

Claim 12 (Currently Amended): The input device according to claim [[7]] 1, wherein the selector means serves to select, as an output value, a value which has been detected substantially as the same value at the plural bioindex detecting means.

Claim 13 (Currently Amended): The input device according to claim [[7]] 1, wherein the selector means serves to select, as an output value, an average value obtained by averaging values detected at the respective bioindex detecting means.

Claim 14 (Currently Amended): The input device according to claim [[7]] 1, wherein the respective plural bioindex detecting means are similar bioindex detecting means for detecting the same bioindex.

Claim 15 (Currently Amended): The input device according to claim [[7]] 1, wherein the respective plural bioindex detecting means are different kinds of bioindex detecting means for detecting the same bioindex by different techniques.

Claim 16 (Currently Amended): The input device according to claim [[7]] 1, wherein the respective plural bioindex detecting means are different kinds of bioindex detecting means for detecting different bioindices.

Claims 17-18 (Canceled).

Claim 19 (Currently Amended): The input device according to claim [[7]] 1, wherein ~~the each of the plural bioindex detecting means is provided at a control or steering unit that user holds in~~ is hand-held during control or steering at any one of machines to be controlled including automotive vehicle, train, airplane, ship and industrial machinery.

Claim 20 (Currently Amended): An input method for a portable electronics input device for controlling electronic equipments, the method comprising including:

contacting a body of a portable electronics device with a hand of a user, said body having an interior portion containing electronics that are configured to perform wireless communication, said wireless communication being at least one of mobile telephone communication and ~~television~~ remote controller communication;

a bioindex detection step of detecting, by bioindex detecting means provided within a region including a holding position of a surface of a body, that a user holds while performing said wireless communication, bioindex of the user through a skin of the user for a time period during which the user holds the body to be operated; [[and]]

a bioindex analysis step of analyzing with a processor bioindex which has been detected at the bioindex detection step;~~,-wherein~~

a selecting step of selecting at least one bioindex information from bioindex information which have been detected by the plural bioindex detecting means,

wherein the bioindex analyzing means serves to analyze bioindex information which has been selected by the selector means; and

providing the input device at an operation input unit of any one of electronic equipments including personal computer, television image receiver, video and/or audio signal recording and/or reproducing device and air conditioner to control said electronic equipments, wherein

said surface of said body including a first sensor on a first side of said body and a second sensor on a second side of said body, said first sensor and said second sensor positioned to be in contact with a hand of the user when performing wireless communication.

Claim 21 (Original): The input method according to claim 20, wherein the bioindex is at least one of sweating, heartbeat, pulse wave, skin temperature, Galvanic Skin Reflex, Galvanic Skin Response, MV (Micro Vibration), myoelectric potential and SPO2 (blood oxygen saturation level), or combination of these bioindices.

Claim 22 (Original): The input method according to claim 20, wherein the bioindex detection step consists of plural bioindex detection steps,

the input method including:

a selection step of selecting at least one bioindex information from bioindex information which have been detected at the plural bioindex detection steps; and

a bioindex analysis step of analyzing bioindex information which has been selected at the selection step.

Claim 23 (Original): The input method according to claim 22, wherein the respective plural bioindex detection steps detect the same bioindex.

Claim 24 (Original): The input method according to claim 22, wherein the respective plural bioindex detection steps detect the same bioindex by different techniques.

Claim 25 (Original): The input method according to claim 22, wherein the respective plural bioindex detection steps detect different bioindices.

Claim 26 (Currently Amended): A portable electronic equipment including an input unit for controlling electronic equipments, comprising:

a body having an interior portion containing electronics that are configured to perform wireless communication, said wireless communication being at least one of mobile telephone communication and ~~television~~ remote controller communication;

bioindex detecting means provided within a region including a holding position of a surface of the body, with which a finger of a user comes into contact when the user is grasping the body while performing said wireless communication, and for detecting bioindex of the user through a skin of the user for a time period during which the user grasps the body; [[and]]

bioindex analyzing means for analyzing bioindex which has been detected by the bioindex detecting means, ~~wherein;~~ and

selector means for selecting at least one bioindex information from bioindex information which have been detected by the plural bioindex detecting means,

wherein the bioindex analyzing means serves to analyze bioindex information which has been selected by the selector means;

said surface of said body including a first sensor on a first side of said body and a second sensor on a second side of said body, said first sensor and said second sensor positioned to be in contact with a hand of the user when performing wireless communication,

wherein the input unit of the portable electronic equipment is provided at an operation input unit of any one of electronic equipments including personal computer, television image receiver, video and/or audio signal recording and/or reproducing device and air conditioner to control said electronic equipments.

Claim 27 (Original): The electronic equipment according to claim 26, wherein the bioindex is at least one of sweating, heartbeat, pulse wave, skin temperature, Galvanic Skin

Reflex, Galvanic Skin Response, MV (Micro Vibration), myoelectric potential and SPO2 (blood oxygen saturation level), and combination of these bioindices.

Claim 28 (Original): The electronic equipment according to claim 26, wherein the bioindex detecting means is detecting means for detecting Galvanic Skin Reflex or Galvanic Skin Response between predetermined two points of palm of one hand of user.

Claim 29 (Original): The electronic equipment according to claim 28, wherein display means for displaying guide display for operation and information is provided at the front face portion of a casing,

the detecting means being provided at the side surface portion of the casing.

Claim 30 (Original): The electronic equipment according to claim 28, comprising: operation means for an operation input, wherein the detecting means is provided at a position with which finger of user comes into contact of the surface of the operation means.

Claim 31 (Original): The electronic equipment according to claim 28, wherein the detecting means is provided at the corner portion of the casing.

Claim 32 (Original): The electronic equipment according to claim 28, wherein the bioindex detecting means is pulse wave detecting means for detecting pulse wave of user.

Claim 33 (Original): The electronic equipment according to claim 32, wherein display means for displaying guide display for operation and information is provided at the front face portion of the casing, and



the pulse wave detecting means is provided at the rear face portion opposite to the front face portion of the casing.

Claim 34 (Original): The electronic equipment according to claim 33, wherein a detection portion comprising a finger holding cover having internal surface shape curved so as to take substantially the same shape as finger tip shape of the user, and a finger chip insertion portion formed between the finger holding cover and the rear face of the casing is provided at the rear face portion side of the casing,

light emitting means being provided at the inner surface of the finger holding cover, light receiving means as the pulse wave detecting means being provided at the rear face of the casing opposite to the light emitting means.

Claim 35 (Original): The electronic equipment according to claim 26, wherein the bioindex detecting means is temperature detecting means for detecting body temperature of user.

Claim 36 (Original): The electronic equipment according to claim 35, wherein the temperature detecting means is composed of finger tip temperature detecting means provided at a position with which finger comes into contact when the temperature detecting means is grasped by the finger of the user and for detecting finger chip temperature, and palm temperature detecting means provided at a position with which palm of the user comes into contact and for detecting palm temperature.

Claim 37 (Original): The electronic equipment according to claim 36, comprising:

display means serving to display guide display for operation and information at an outer casing front face portion,

wherein one of the temperature detecting means is provided at the side surface portion with respect to the outer casing front face portion.

Claim 38 (Original): The electronic equipment according to claim 36, comprising: operation means, wherein the finger tip temperature detecting means is provided at a position with which finger of user comes into contact of the surface of the operation means.

Claim 39 (Original): The electronic equipment according to claim 36, wherein the palm temperature detecting means is provided at the corner portion of the outer peripheral surface side of the casing.

Claim 40 (Original): The electronic equipment according to claim 36, wherein a detecting portion comprising a finger holding cover having an internal surface shape curved so as to take substantially the same shape as finger tip shape of the user, and a finger tip insertion portion formed between the finger holding cover and the rear face of the casing is provided at the rear face portion side of the casing,

the finger tip temperature detecting means being provided at the rear face portion of the casing.

Claim 41 (Canceled).